

IN THE SPECIFICATION

Please amend the specification as follows:

Replace the paragraph on page 5, between lines 2-7 of the specification with the following:

Otherwise the fluorescent material may be a phosphor blend, comprising a cerium activated carbido-nitridosilicate of general formula $(RE_{1-z})_{2-a}EA_aSi_4N_{6+a}Cl_{1-a}:Ce_z$ wherein $0 \leq a < 1$, $0 < z \leq 0.2$, and Re is at least one rare earth metal chosen from the group of yttrium, gadolinium and lutetium and a green phosphor. Such green phosphor may be selected from the group comprising $(Ba_{1-x}Sr_x)_2SiO_4:Eu$, $(Ba_{1-x}Sr_x)_2SiO_4:Eu$, wherein $0 \leq x \leq 1$, $SrGa_2S_4:Eu$ and $SrSi_2N_2O_2:Eu$.

Replace the paragraph on page 5, between lines 26-27 of the specification with the following:

Such blue phosphor may be selected from the group comprising $BaMgAl_{10}O_{17}:Eu$, $Ba_5SiO_4(Cl,Br)_6:Eu$ which includes at least one

of Cl and Br, CaLn_2S_4 , Ce and $(\text{Sr}, \text{Ba}, \text{Ca})_5(\text{PO}_4)_3\text{Cl}:\text{Eu}$ which includes at least one of Sr, Ba and Ca.

Replace the paragraph on page 9, between lines 13-17 of the specification with the following:

Within the three dimensional network metal ions such as the rare earth metals and earth alkaline metals as well as ~~cer(III)~~ Ce(III) and eventually praseodymium(III) are incorporated. Preferably the rare earth metals are selected from yttrium, gadolinium, lutetium, and the earth alkaline metals are selected from calcium, strontium and barium are incorporated.

Replace the paragraph spanning pages 10-11, between page 10, line 32, and page 11, line 3 of the specification with the following:

For example, one of the preferable compound represented by $\text{Y}_2\text{Si}_4\text{N}_6\text{C}:5\%\text{Ce}$ is produced by the method where yttrium metal, carbon, silicon diimide and cerium(III) fluoride as the starting materials are weighed and compounded to give a molar ratio

Y:Si:N:C:Ce of ~~2:4:6:1:0.05~~ 1.95:4:6:1:0.05 (or Y:Si:N:C:Ce of molar ratio 2:4:6:1:0.05, or Y:Si:N:C of molar ratio 2:4:6:1), and then be fired.

Replace the paragraph on page 13, between lines 23-30 of the specification with the following:

FIG. 1 shows a schematic view of a chip type light emitting diode with a coating 4 comprising the fluorescent material 3. The device comprises chip type light emitting diode (LED) 1 as a radiation source. The light-emitting diode dice is positioned in a reflector cup lead frame 2. The dice 1 is connected via a bond wire 7 to a first terminal 6, and directly to a second electric terminal 6. The recess of the reflector cup is filled with a coating material 4 which contains a fluorescent material 3 according to the invention to form a coating layer which is embedded in the reflector cup. The phosphors are applied either separately or in a mixture.

Replace the paragraph spanning pages 13-14, between page 13,

line 31, and page 14, line 3 of the specification with the following:

The coating material 4 typically comprises a polymer 5 for encapsulating the phosphor or phosphor blend 3. In these ~~embodiment~~ embodiments, the phosphor or phosphor blend 3 should exhibit high stability properties against the encapsulant. Preferably, the polymer 5 is optically clear to prevent significant light scattering. A variety of polymers 5 are known in the LED industry for making LED lamps.

Replace the paragraph on page 17, between lines 20-23 of the specification with the following:

The luminescent materials may be a blend of two phosphors, a yellow to red cerium activated carbido-nitridosilicate phosphor and a green phosphor selected from the group comprising $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4\text{:Eu}$, $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4\text{:Eu}$, wherein $0 \leq x \leq 1$, $\text{SrGa}_2\text{S}_4\text{:Eu}$ and $\text{SrSi}_2\text{N}_2\text{O}_2\text{:Eu}$.

Replace the paragraph on page 18, between lines 1-6 of the

specification with the following:

The luminescent materials may be a blend of three phosphors, a yellow to red cerium activated carbido-nitridosilicate phosphor, a red phosphor selected from the group $(\text{Ca}_{1-x}\text{Sr}_x) \text{S}:\text{Eu}$, wherein $0 \leq x \leq 1$ and $(\text{Sr}_{1-x-y}\text{Ba}_x\text{Ca}_y)_{2-z}\text{Si}_{5-a}\text{Al}_b\text{N}_{6-a}\text{O}_a:\text{Eu}_z$ wherein $0 \leq a < 5$, $0 < x \leq 1$, $0 \leq y \leq 1$ and $0 < z \leq 0.2$, and a green phosphor selected from the group comprising $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4:\text{Eu}$, $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4:\text{Eu}$ wherein $0 \leq x \leq 1$, $\text{SrGa}_2\text{S}_4:\text{Eu}$ and $\text{SrSi}_2\text{N}_2\text{O}_2:\text{Eu}$.

Replace the paragraph on page 19, between lines 21-25 of the specification with the following:

The luminescent materials may be a blend of three phosphors, a yellow to red cerium activated carbido-nitridosilicate phosphor, a blue phosphor selected from the group comprising $\text{BaMgAl}_{10}\text{O}_{17}:\text{Eu}$, $\text{Ba}_5\text{SiO}_4(\text{Cl},\text{Br})_6:\text{Eu}$, $\text{CaLn}_2\text{S}_4:\text{Ce}$ and $(\text{Sr},\text{Ba},\text{Ca})_5(\text{PO}_4)_3\text{Cl}:\text{Eu}$ and a green phosphor selected from the group comprising $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4:\text{Eu}$, $(\text{Ba}_{1-x}\text{Sr}_x)_2\text{SiO}_4:\text{Eu}$ wherein $0 \leq x \leq 1$, $\text{SrGa}_2\text{S}_4:\text{Eu}$ and $\text{SrSi}_2\text{N}_2\text{O}_2:\text{Eu}$.